

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

SEP 19 2001

Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
RDID00105US

In Re Application Of: SOBEK, Harald, et al.

Serial No.
09/960,428Filing Date
September 21, 2001Examiner
To Be AssignedGroup Art Unit
1653

Title: METHOD FOR PRODUCING AN ACTIVE HETERODIMERIC AMV-RT IN PROKARYOTIC CELLS

Address to:

Assistant Commissioner for Patents
Washington, D.C. 20231**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☐ the fee set forth in 37 CFR 1.17(p).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

Docket No.
RDID00105US

FEB 19 2002

Under 37 CFR 1.97(b) or 1.97(c)

In Re Application of SOBEK, Harald, et al.

Serial No.

09/960,428

Filing Date

September 21, 2001

Examiner

To Be Assigned

Group Art Unit

1653

METHOD FOR PRODUCING AN ACTIVE HETERODIMERIC AMV-RT IN PROKARYOTIC

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. 02-2958 as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of _____
- ☒ Credit any overpayment.
- ☒ Charge any additional fee required.

Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (F

(Date)

Signature

Typed or Printed Name of Person Signing Certificate

Certificate of Mailing by First Class Mail

I certify that this document and fee is being deposited with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Certificate

*This certificate may only be used if paying by deposit account.

Signature

Dated:

2/11/02

Kenneth J. Waite, Reg. No. 45,189

Roche Diagnostics Corporation

9115 Hague Road, Bldg D

P.O. Box 50457

Indianapolis, IN 46250-0457

Telephone: (317) 521-3104

Facsimile: (317) 521-2883

Mailed via Express Mail No EL 841987611 US on February 19, 2002

CC:

FEB 19 2002

SERIAL NO. 09/960,428

FILING

September 21, 2001

[illegible]

1653

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	1	EP0743365A2	11/96	Europe	C12N	15/67		
	2	EP0774512A2	05/97	Europe	C12N	15/31		
	3	EP0885967A2	12/98	Europe	C12N	15/70		
	4	WO98/07869	02/98	PCT	C12N	15/52		
	5	WO00/42199	07/00	PCT	C12N	15/54		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
6	AIYAR, Ashok, et al., "Interaction between Retroviral U5 RNA and the TuC Loop of the tRNA trp Primer is Required for Efficient Initiation of Reverse Transcription", Journal of Virology, Apr. 1992, p.2464-2472, Vol. 66, No. 4	
7	BALTIMORE, David, et al., "Viral RNA-Dependent DNA Polymerase" Nature Vol. 226, June 27, 1970 (pgs1209-1211)	

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Several sheets if necessary)

FEB 19 2002

Docket Number (Optional)

RDID001055

Application Number

09/960,428

Applicant(s)

SOBEK, Harold et al.

Filing Date

September 21, 2001

Group Art Unit

1653

*EXAMINER
INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BRINKMANN, Ulrich, et al., "Anatomy of an Integrated Avian Myeloblastosis Provirus: Structure and Function", Invited Review, Correspondence: E. Premkumar Reddy, Received 26 July, 1994; accepted in CRC form 28 July 1994, (14pgs)

BRINKMANN, Ulrich, et al., "High-Level Expression of Recombinant Genes in Escherichia Coli is Dependent on the Availability of the dnaY Gene Product", Gene, 85 (1989) 109-114, Elsevier, GENE 03325

BUJARD, Hermann, et al., "A T5 Promoter-Based Transcription-Translation System for the Analysis of Proteins in Vitro and in Vivo", Methods in Enzymology, Vol. 155, (pgs 416-433)

BUKAU, Bernd, et al., "The Hsp70 and Hsp60 Chaperone Machines", Cell., Vol. 92, 351-366, February 6, 1998

Deuerling, Elke et al., "Trigger Factor and DnaK Cooperate in Folding of Newly Synthesized Proteins", Nature, Vol. 400, 12 August 1999, (pgs 693-696)

Diamant, Sophia, et al., "Temperature-Controlled Activity of DnaK-DnaJ-GrpE Chaperones: Protein-Folding Arrest and Recovery During and After Heat Shock Depends on the Substrate Protein and the GrpE Concentration", Biochemistry 1998, 37, pgs 9688-9694

Garcia, George M., et al., "The E. Coli dnaY Gene Encodes an Arginine Transfer RNA", Cell, Vol. 45, 453-459, May 9, 1986

Golomb, Miriam, et al., "Endonuclease Activity of Purified RNA-Directed DNA Polymerase from Avian Myeloblastosis Virus", The Journal of Biological Chemistry, Vol. 254, No. 5, Issue of March 10, pp. 1606-1613, 1979

Goloubinoff, Pierre, et al., "Sequential Mechanism of Solubilization and Refolding of Stable Protein Aggregates by a Bichaperone Network" 13732-13737, PNAS, November 23, 1999, Vol. 96, No. 24

Grice, Stuart F.J. Le, et al., "Human Immunodeficiency Virus Reverse Transcriptase", HIV Reverse Transcriptase, (15pgs)

Hanahan, Douglas, et al, "Studies on Transformation of Escherichia Coli with Plasmids", J. Mol. Biol. (1983) 166, pgs 557-580

Hartl, F. Ulrich, et al., "Molecular Chaperones in Cellular Protein Folding", Nature, Vol. 381, 13 June 1996, pgs 571-580

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

FEB 19 2002

Docket Number (Optional)

RDID001055

Application Number

09/960,428

Applicant(s)

SOBEK, Harold et al.

Filing Date

September 21, 2001

Group Art Unit

1653

*EXAMINER

INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

20

Kedzierska, S., "The Role of DnaK/DnaJ and GroEL/GroES Systems in the Removal of Endogenous Proteins Aggregated by Heat-Shock from Escherichia Coli Cells", FEBS Letters 446(1999) 331-337

21

Kopetzki, Erhard, et al., "Control of Formation of Active Soluble or Inactive Insoluble Bakers' Yeast x-glucosidase PI in Escherichia Coli by Induction and Growth Conditions", Mol. Gen. Genet (1989) 216:149 155

22

Laemmli, U.K., "Cleavage of Structural Proteins During the Assembly of the Head of Bacteriophage T4", Nature Vol. 227, August 15, 1970, pgs 680-685

23

Leis, Jonathan, et al., "Regulation of Initiation of Reverse Transcription of Retroviruses", Reverse Transcriptase, Department of Biochemistry, Case Western Reserve University School of Medicine, Cleveland, Ohio 44106, pgs33-47

24

Mogk, Axel, et al., "Identification of Thermolabile Escherichia Coli Proteins: Prevention and Reversion of Aggregation by DnaK and ClpB", The EMBO Journal Vol. 18, No. 24, pp. 6934-6949, 1999

25

Muller, Barbara, et al., "Co-Expression of the Subunits of the Heterodimer of HIV-1 Reverse Transcriptase in Escherichia Coli", The Journal of Biological Chemistry, Vol. 264, No. 24, Issue of August 25, pp. 13975-13978, 1989

26

Pierpaoli, Ezra, et al., "Control of the DnaK Chaperone Cycle by Substoichiometric Concentrations of the Co-Chaperones DnaJ and GrpE", Vol. 273, No. 12, Issue of March 20, pp. 6643-6649, 1998

27

Prasad, Vinayaka R., et al., "Genetic Analysis of Retroviral Reverse Transcriptase Structure and Function", Reverse Transcriptase, Copyright 1993 Cold Spring Harbor Laboratory Press, Department of Microbiology and Immunology, pgs 135-163

28

Ricchetti, Miria, et al., "E. Coli DNA Polymerase I as a Reverse Transcriptase", The EMBO Journal, Vol. 12 no. 2, pp. 387-396, 1993

29

Temin, Howard M., "RNA-Dependent DNA Polymerase in Virions of Rous Sarcoma Virus", Nature Vol. 226, June 27, 1970, pgs 1211-1213

30

Weiss, Robin, et al., "RNA Tumor Viruses", Molecular Biology of Tumor Viruses Second Edition, Cold Spring Harbor Laboratory 1984, 24 pgs

31

Zolkiewski, Michal, et al., "ClpB Cooperates with DnaK, DnaJ, and GrpE in Suppressing Protein Aggregation", A Novel Multi-Chaperone System from Escherichia Coli", The Journal of Biological Chemistry, Vol. 274, No. 40, Issue of October 1, pp. 28083-28086, 1999

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Use several sheets if necessary)

RDID00101111

09/960,428

SOBEK, Harald et al.

September 21, 2001

1653

INITIAL.

OTHER DOCUMENTS: (Including Author, Title, Date, Pertinent Pages, Etc.)

Fayet, Olivier, et al., "Suppression of the Escherichia Coli dna46 Mutation by Amplification of the groES and grEL Genes", Mol. Gen. Genet (1986) 202: 435-445

32

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.